

1. (currently amended) A fuel injection apparatus for a marine engine in which pressure of fuel within a fuel tank is increased in by a low pressure fuel pump, and said fuel is supplied into a vapor separator within which a fixed fuel liquid surface is formed, and pressure of fuel within the vapor separator is increased by a pump portion of a high pressure electric pump, and said fuel is supplied toward a fuel injection valve arranged so as to face to the engine through a motor portion arranged within the electric pump,

wherein said high pressure electric pump is provided with a pump portion and a motor portion within a pump housing , said motor portion is formed by a field core which is fixedly arranged to the pump housing and provided with a tubular portion, a drive coil which is wound around an outer periphery of the field core and provided with a wire toward a lead wire, and a magnet rotor, which rotates synchronously with a motor axis and is arranged inside a cup body arranged around the outer periphery of the drive coil, and wherein the as-a brushless motor portion, and the outer periphery of the [a] drive coil and the wire which is exposed to the inside of the pump housing are in the brushless motor portion fixedly arranged within the pump housing is molded with a resin material .